

 **SP SCIENCEWARE™**

Bel-Art • H-B Instrument • Wilmad-LabGlass

Prepare to Discover

LABORATORY PROBLEM SOLVERS



VWR  [®]
We Enable Science

Robust All Glass Separatory Funnels

Globe Style Separation Funnels with Glass Stopper and Stopcock

- Borosilicate glass pear-shaped separatory funnels
- Supplied with a Standard Taper glass stopper and a Standard Taper glass stopcock



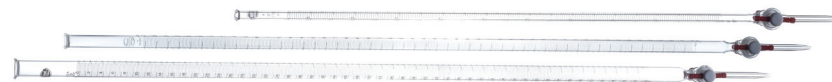
Each

CAPACITY	[ST] STOPPER NO.	STOPCOCK SIZE	CAT. NO.
30 mL	13	2	14210-780
60 mL	16	2	14209-658
125 mL	22	2	14210-316
250 mL	22	4	14209-630
500 mL	27	4	14210-064
1000 mL	27	4	14204-172
2000 mL	38	6	14203-762
3000 mL	38	8	14209-018
4000 mL	38	8	14208-818
6000 mL	38	8	14206-096

Calibrated Class 'A' Burets

Precision Bore Class A Burets with PTFE Stopcock

- [PS] 2 PTFE stopcock
- Calibration is in compliance with ASTM E 694 specifications.



Each

CAPACITY	GRADUATION INTERVAL	TOLERANCE	CAT. NO.
10 mL	0.05 mL	±0.02 mL	14207-188
25 mL	0.10 mL	±0.03 mL	14208-074
50 mL	0.10 mL	±0.05 mL	14208-500
100 mL	0.20 mL	±0.10 mL	14209-022

Adjustable Sprayer for Wash Bottles

Trigger Sprayers w/ 53mm Adapters

- Convenient, adjustable spray nozzle for a wide range of chemicals including bleach, ethanol, machine oil and water
- Fits most bottles with 28mm opening or 58mm with included adapter, including all Scienceware Wash Bottles
- Stainless steel, spring-action pump will not corrode with repeated exposure to 10% bleach disinfecting solution



Bottles not included

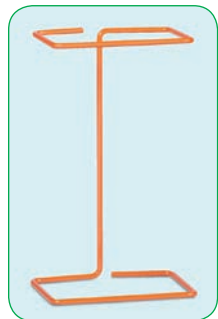


Pack of 2

DESCRIPTION	CAT. NO.
Trigger Sprayers with 53mm Adapters	89238-034

Handy Benchtop Disposal

Poxygrid® Bench-Top Biohazard Bag Holder Kit



Cat. No. **11215-508**
Poxygrid® Wire Frame

- Perfect for collecting pipette tips, microcentrifuge tubes, etc. during daily use
- Holds a polyethylene bag 22 x 28cm (8½ x 11")
- Cover provides compliance with OSHA 29 CFR 1910.1030(d)(2)(xiii)(A)



Each

DESCRIPTION	DIMENSIONS (L x W x H)	CAT. NO.
Kit - Includes Bag Holder, Cover & Bags (100pk)		10035-976
Cover Only for Poxygrid® Bag Holder	12.7 x 8.9 x 1.6cm (5 x 3½ x ⅝)	89089-084
Poxygrid® Wire Frame Only	8.5 x 12.7 x 21.6cm (3⅞ x 5 x 8½")	11215-508
Bench-Top Biohazard Bags, 100pk	22 x 28cmH (8½ x 11")	11215-857

Small Space, Top Performance

"SPACE SAVER" Vacuum Desiccators

- Holds a full vacuum (29.9" Hg 75.9cm) at room temperature for 24 hours
- Neoprene O-ring assures a tight seal down to 0°C
- All models include 0.32 cm (⅛") thick perforated plate



Each

PLATE DIA.	HEIGHT	CLEARANCE ABOVE PLATE	INNER DIAMETER	FLANGE O.D.	CAT. NO.
All-Clear Polycarbonate Bottom					
14 cm No.3	20.6 cm (8⅛")	12.1 cm (4¾")	14.9 cm (5⅞")	17.1 cm (6¾")	24988-233
19 cm No.4	26 cm (10¼")	15.7 cm (6¾")	19.7 cm (7¾")	23 cm (9⅛")	24988-255
23 cm No.5	31.1 cm (12⅛")	19.7 cm (7¾")	24 cm (9⅞")	27.3 cm (10¾")	24988-277
White Polypropylene Bottom					
14 cm No.3	20.6 cm (8⅛")	12.1 cm (4¾")	14.9 cm (5⅞")	17.1 cm (6¾")	10790-798
19 cm No.4	26 cm (10¼")	15.7 cm (6¾")	19.7 cm (7¾")	23 cm (9⅛")	24988-164
23 cm No.5	31.1 cm (12⅛")	19.7 cm (7¾")	24 cm (9⅞")	27.3 cm (10¾")	24988-197

Spacious Cabinets for Dry Storage

Grande Desiccator Cabinet

- Extra-large desiccator has 2 removable, perforated shelves for maximum air flow
- Cabinet holds up to 7 removable shelves spaced 2" apart; maximum weight per shelf: 10lbs (4.5kg)

Interior Dimensions: 47W x 51D x 43.2cmH (18 ½ x 20 x 17")

Interior Capacity: 3.6 cu. ft.

Exterior Dimensions: 66W x 61D x 66cmH (26 x 24 x 26")

Standard Model

Desiccant (sold separately below) can be placed below bottom shelf

Automatic Model

Included desiccant is housed in a pre-programmed module that continually regenerates desiccant every 20 minutes (operates on 120V)

Gas Purge Model

Includes 2 gas port fittings with stopcock valves located on back panel for use with your choice of dry gas



Each

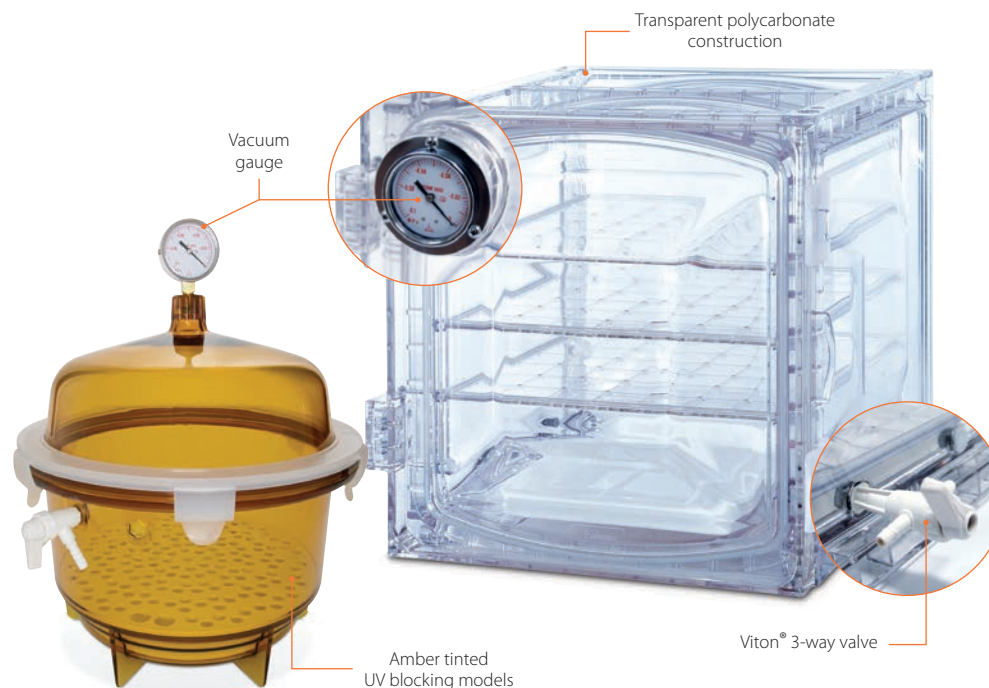
DESCRIPTION	CAT. NO.
Grande Desiccator, Standard	89234-884
Grande Desiccator, Automatic	89234-888
Grande Desiccator, Gas Purge	89234-886
Shelf Set (2) for Grande Desiccator	89234-882
Desiccant in a Cartridge	24988-346

Desiccation

Sustained Vacuum Integrity Up to 3X Longer Than Other Brands

Lab Companion Vacuum Desiccators

- Able to maintain 29in.-Hg vacuum for over 72 hours at room temperature, they provide vacuum integrity resulting in lower maintenance and greater peace of mind
- Viton® 3-way valve offers consistent and uniform vacuum draw, vacuum release, or gas exchange;
- Analog vacuum gauge ; Use with any vacuum with free air capacity of 1.5 cubic feet per minute (CFM) ft or greater
- Transparent polycarbonate; Durable, easy-to-clean, chemical-resistant
- Amber tinted UV blocking models block 100% of UVA, B, and C light



Cabinets

- Single piece molded design (except the door) enables outstanding vacuum capability with virtually no leakage and exceptional durability
- Built-in ports for up to 3 additional valves
- Perforated shelves can be removed or repositioned to accommodate various storage needs

Cabinet Style Shelf Capacity

(additional shelves sold separately)

VOLUME (CU. FT.)	INCLUDED	MAX
0.4	2	4
0.8	2	4
1.2	3	5
1.6	3	6

Cabinet Style Lab Companion™ Vacuum Desiccators



Each

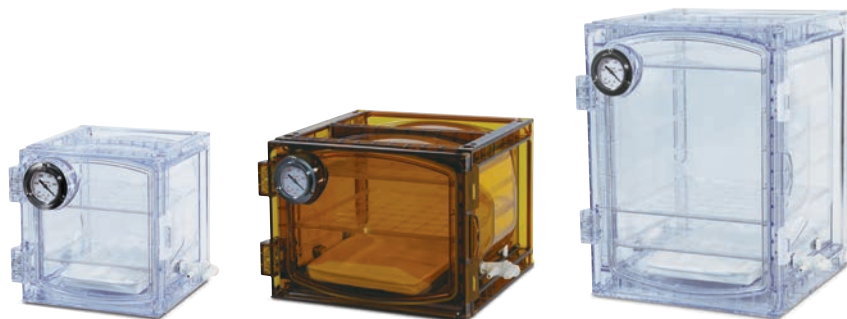
DESCRIPTION	INTERNAL VOLUME (cu. ft.)	INTERNAL VOLUME (liter)	CAT. NO.
11L, Clear	0.4	11	30621-062
23L, Clear	0.8	23	30621-066
35L, Clear	1.2	35	30621-064
45L, Clear	1.6	45	30621-068
11L, UV Amber	0.4	11	30621-070
23L, UV Amber	0.8	23	30621-074
35L, UV Amber	1.2	35	30621-072
45L, UV Amber	1.6	45	30621-076

Accessories for Cabinet Style Lab Companion™ Desiccators

Each

DESCRIPTION	USE WITH	CAT. NO.
3-Way Valve - Lab Companion™ Cabinet Style	30621-062, 30621-070, 30621-066, 30621-074, 30621-064, 30621-072, 30621-068, 30621-076	30618-670
Perforated Shelf – Cabinet Style	30621-066, 30621-074, 30621-064, 30621-072, 30621-068, 30621-076	30618-672
Perforated Shelf – Cabinet Style	30621-062, 30621-070	30618-674

For dimensions and weights visit www.vwr.com



30621-062

30621-074

30621-068

Cabinet Style Lab Companion™ Vacuum Desiccators

See general Lab Companion information on opposite page



Round Style Lab Companion™ Vacuum Desiccators

- High-quality silicone O-ring and specially designed locking ring allow outstanding vacuum capability with virtually no leakage



Each

DESCRIPTION	INTERNAL VOLUME (cu. ft.)	INTERNAL VOLUME (liter)	CAT. NO.
6L, Clear	0.2	6L	30621-050
6L, UV Blocking Amber	0.2	6L	30621-052
10L, Clear	0.4	10L	30621-054
10L, UV Blocking Amber	0.4	10L	30621-056
20L, Clear	0.7	20L	30621-058
20L, UV Blocking Amber	0.7	20L	30621-060

For dimensions and weights visit www.vwr.com. See accessories and shelf capacity opposite page

Moisture Free Storage in Cold Spaces

Secador® Refrigerator Ready Desiccator

- Extra-long depth, pull-out shelves and wide rubber feet make this desiccator perfect for use inside refrigerators and -20°C freezers
- Top shelf holds up to three (3) Desi Cans™ (24988-350) and permits maximum visibility of saturation status
- Locking door latch turns with one hand and door opens from top down for easy access



Each

EXTERIOR DIMS (W X D X H)	INTERIOR DIMS (W X D X H)	INTERIOR HEIGHT WITH SHELF	CAT. NO.
25.4 x 38.1 x 21.6cm (10 x 15 x 8½")	24.8 x 35.6 x 19.7cm (9¾ x 14 x 7¾")	13.5cm (5¼")	30621-090

Calibrated Class 'A', Borosilicate Glass

Wilmad-LabGlass Class A Volumetric Heavy Duty/Wide Mouth Flasks with Glass Stopper

- Wide Mouth provides pipette access along with facilitating filling and sampling
- Unique flat bottom interior permits use of a standard stir bar
- Heavy wall thickness gives greater durability
- Calibrated "to contain" (TC) at 20°C
- Includes glass Standard Taper pennyhead stopper



CAPACITY	HEIGHT	[ST] STOPPER NO.	TOLERANCE	CAT. NO.
5 mL	90 mm	13	±0.02 mL	89004-058
10 mL	100 mm	13	±0.02 mL	89004-060
20 mL	120 mm	13	±0.03 mL	89004-062
25 mL	120 mm	13	±0.03 mL	89004-064
50 mL	150 mm	13	±0.05 mL	89004-066
100 mL	180 mm	16	±0.08 mL	89004-068
200 mL	240 mm	19	±0.10 mL	89004-070
250 mL	250 mm	19	±0.12 mL	89004-072

Each

Permanently Mark Tools & Sample Containers

Battery Powered Engraving Tool

- Cordless battery power! 'Write' to permanently mark most materials including glass, plastic, wood, metal, bone, and stone
- Marks will not fade if exposed to chemicals or sunlight
- Convenient stand (sold separately) holds engraver and extra tip



PP
Each

DESCRIPTION	CAT. NO.
Engraving Tool* with Extra Tip	89171-626
Engraving Tool Stand	89171-628

*Requires 2 "AA" batteries. Not included



Product Video

Safely Open Ampules with One Hand

Break-Safe™ Ampule Opener

- Open up to 3 ampules easily and safely with one-handed operation
- Gently pressing down on the lid cleanly snaps ampule necks while keeping them contained within the device and away from fingers
- Includes 4 inserts for 1ml, 2ml, 5ml and 10 ml ampules



Patent Pending



Product Video



Each

DIMENSIONS (L x W x H)	CAT. NO.
9.5 x 7.6 x 8.3cm (3¾" x 3" x 3¾")	89217-378

Create a Gas Specific Workspace

Portable Glove Box System

- Lightweight, self-contained portable isolation cabinet
- 6" circular glove ports with 22" gloves; 8" diameter side port allows easy insertion of material and equipment
- 2 rear gas ports with tapered fittings accept 1/4" to 3/8" I.D. tubing
- Overall dimensions: 68.5W x 33D x 55cmH (27 x 13 x 22"); Gas ports protrude 6.6cm (2 1/2")
- Rounded corners throughout for easy cleaning



NOTE: For Portable Glove Box System without gas ports, Cat No. **47735-504**, visit www.vwr.com



Each

DESCRIPTION	CAT. NO.
Ready to Use Glove Box System with 2 Gas Ports, 1 pair of gloves and 2 clamping rings	89207-442

Original & Authentic

Magic Touch™ Ice Buckets

- Excellent insulating properties; temperature range: -196° to 100°C (-321° to 212°F)
- Use with ice, dry ice, dry ice alcohol slurries or liquid nitrogen
- Unbreakable under normal use conditions; lightweight



Each

See www.vwr.com for Magic Touch™ racks

DESCRIPTION	CAT. NO.
2.5L Blue – without lid, 22.2cm diam. rim x 12.0cmH (8 3/4 x 4 3/4")	89202-270
4.0L Blue – without lid, 21.5cm diam. rim x 17.0cmH (8 1/2 x 6 3/5")	89202-272

Shatterproof Polycarbonate Prevents Contamination

H-B DURAC (g/cm³) Plastic Plain Form Hydrometers

- Optical quality polycarbonate is durable and shatterproof; Ideal for food/beverage, field work or any time breakage is a possibility*
- Easy to read black scale on yellow back to help avoid eye fatigue
- Individually serialized; Temperature standardization: 60°F (15°C)
- Multi-language (English, French, German, Italian, Portuguese, and Spanish) Statement of Accuracy indicating accuracy traceable to NIST



Each

*Note: Polycarbonate hydrometers are not recommended for use with petroleum-based liquids or other corrosives that would potentially affect the plastic material. They should be stored in a clean, dry, safe place and should not be subjected to extreme temperatures.

RANGE	DIVISIONS	LENGTH	ACCURACY	CAT. NO.
Specific Gravity				
1.000/1.180	0.002	300mm	±0.002	89217-437
0.920/1.080	0.002	300mm	±0.002	89217-439
1.050/1.220	0.002	300mm	±0.002	89217-441
1.200/1.420	0.002	300mm	±0.002	89217-443
1.400/1.620	0.002	300mm	±0.002	89217-445
Salt Brine				
0/80%	1%	300mm	±1%	89217-447
10/100%	1%	300mm	±1%	89217-449
Sodium Chloride (NaCl)				
4/26.5%	0.2%	300mm	±0.2%	89217-457
Baume				
0/12°	0.2°	255mm	±0.2°	89217-451
9/21°	0.2°	255mm	±0.2°	89217-453
19/31°	0.2°	255mm	±0.2°	89217-455
Brix				
0/35°	0.5°	300mm	±0.5°	89217-459
15/50°	0.5°	300mm	±0.5°	89217-461

Icewares - Magic Touch 2™

Chilling Has Never Been So Good

Magic Touch 2™ Ice Buckets and Ice Pans

- Excellent insulating properties; temperature range: -196° to 100°C (-321° to 212°F)
- Use with ice, dry ice, dry ice alcohol slurries or liquid nitrogen
- Unbreakable under normal use conditions
- Expanded lightweight urethane is durable, non-sweating and impervious to moisture and odors
- Features convenient pour spout, drip-proof rim, fill line indicator and snug fitting lid*; Stackable



Ice Buckets



Each

DESCRIPTION	CAT. NO.
Blue, 2.5L Ice Bucket w/Lid	89233-340
Black, 2.5L Ice Bucket w/Lid	89233-342
Red, 2.5L Ice Bucket w/Lid	89233-344
Green, 2.5L Ice Bucket w/Lid	89233-346
Blue, 4.0L Ice Bucket w/Lid	89233-348
Black, 4.0L Ice Bucket w/Lid	89233-350
Red, 4.0L Ice Bucket w/Lid	89233-352
Green, 4.0L Ice Bucket w/Lid	89233-354

See dimensions below

Dimensions without lid

2.5L Ice Bucket: 26.8 Top O.D. x 16.4cmH (10½ x 6½")

4.0L Ice Bucket: 26.8 Top O.D. x 21.2cmH (10½ x 8¼")

Mini Ice Pan: 18.3L x 18.3W x 11.6cmH (7¼ x 7¼ x 4½")

Midi Ice Pan: 30.4L x 22.9W x 20cmH (12 x 9 x 8")

Maxi Ice Pan Dimensions: 42L x 30.3 x 20cmH (16½ x 12 x 8")

*1L ice pan does not include pour spout or fill line indicator



Ice Pans



Each

DESCRIPTION	CAT. NO.	CAT. NO.
Blue, 1.0L Mini Ice Pan w/Lid*	89233-332	
Black, 1.0L Mini Ice Pan w/Lid*	89233-334	
Red, 1.0L Mini Ice Pan w/Lid*	89233-336	
Green, 1.0L Mini Ice Pan w/Lid*	89233-338	
Blue, 4.0L Midi Ice Pan w/Lid	89233-356	
Black, 4.0L Midi Ice Pan w/Lid	89233-358	
Red, 4.0L Midi Ice Pan w/Lid	89233-360	
Green, 4.0L Midi Ice Pan w/Lid	89233-362	

See dimensions lower left

9.0L Maxi Pans

Each

DESCRIPTION	CAT. NO. WITH LID	CAT. NO. WITHOUT LID
Blue, 9.0L Maxi Ice Pan	89233-364	89233-372
Black, 9.0L Maxi Ice Pan	89233-366	89233-374
Red, 9.0L Maxi Ice Pan	89233-368	89233-376
Green, 9.0L Maxi Ice Pan	89233-370	89233-378

Great for Low Temperature Applications

Write-On™ Label Tape

- Use with pencil, ball-point pen or solvent ink marker
- Resists moisture and most solvents;
Peels off without leaving a sticky residue
- Maximum temperature of 157°C (315°F) for 30 minutes or 80°C (176°F) for 24 hours; can be used down to -80°C (-112°F)
- Withstands steam autoclaving cycle at 121°C (250°F) and gamma irradiation between 13.0 and 45.0kGy



Pack

See our tape dispensers at www.vwr.com

W x L	COLOR	CAT. NO.	W x L	COLOR	CAT. NO.
½" x 15yds, 1" core	White	30617-006	½" x 40yds, 3" core	Yellow	30617-028
¾" x 15yds, 1" core	White	30617-012	¾" x 40yds, 3" core	Yellow	30617-040
1" x 15yds, 1" core	White	30617-018	1" x 40yds, 3" core	Yellow	30617-052
½" x 15yds, 1" core	Yellow	30617-008	½" x 40yds, 3" core	Green	30617-030
¾" x 15yds, 1" core	Yellow	30617-014	¾" x 40yds, 3" core	Green	30617-042
1" x 15yds, 1" core	Yellow	30617-020	1" x 40yds, 3" core	Green	30617-054
½" x 15yds, 1" core	Green	30617-010	½" x 40yds, 3" core	Blue	30617-032
¾" x 15yds, 1" core	Green	30617-016	¾" x 40yds, 3" core	Blue	30617-044
1" x 15yds, 1" core	Green	30617-022	1" x 40yds, 3" core	Blue	30617-056
½" x 40yds, 3" core	White	30617-024	½" x 40yds, 3" core	Orange	30617-034
¾" x 40yds, 3" core	White	30617-036	¾" x 40yds, 3" core	Orange	30617-046
1" x 40yds, 3" core	White	30617-048	1" x 40yds, 3" core	Orange	30617-058
½" x 40yds, 3" core	Red	30617-026	½" x 60yds, 3" core	White	30617-060
¾" x 40yds, 3" core	Red	30617-038	¾" x 60yds, 3" core	White	30617-062
1" x 40yds, 3" core	Red	30617-050	1" x 60yds, 3" core	White	30617-064

Labels that Stand Up to Extreme Cold, even Liquid Nitrogen

Cryogenic Storage Labels

- Organize and label samples for short or long-term cold storage
- Ideal for environments down to -196°C
- Dot and rectangle shaped labels sized for 0.5 to 2.0ml cryogenic tubes
- Available in sheets or rolls; sheets can be fed through a standard ink jet or laser printer utilizing online templates



Pack

COLOR	FITS	LABEL	SIZE	PACK	CAT. NO.
Sheets					
White	1.5-2ml Tubes	Rectangular	33 x 13mm	20 sheets, 1700 labels	75798-814
Assorted	1.5-2ml Tubes	Rectangular	33 x 13mm	25 sheets, 2125 labels	75796-944
White	Racks/Boxes	Rectangular	67 x 25mm	20 sheets, 600 labels	75796-946
White	0.5-1.5ml Tubes	Round Dot	9.5mm Dia.	20 sheets, 3840 labels	75796-948
White	1.5-2ml Tubes	Round Dot	13mm Dia.	20 sheets, 3840 labels	75798-812
Rolls					
White	0.5-1.5ml Tubes	Round Dot	9.5mm Dia.	1 roll, 1000 labels	75796-956
Assorted	0.5-1.5ml Tubes	Round Dot	9.5mm Dia.	1 roll, 5000 labels	75796-958
White	1.5-2ml Tubes	Round Dot	13mm Dia.	1 roll, 1000 labels	75796-950
Assorted	1.5-2ml Tubes	Round Dot	13mm Dia.	1 roll, 5000 labels	75796-952
White	1.5-2ml Tubes	Rectangular	33 x 13mm	1 roll, 1000 labels	75796-954

No External Vacuum System Required

Vacuum Aspirator Collection Systems, 1.0 Gallon Bottle with Pump

- Ideal for vacuum aspiration of a variety of liquids, including tissue culture media, supernatants, and chemical wastes
- Self-contained portable systems with 1.0 gallon bottle, tubing and vacuum pump (Original strength or HiFlow)
- **HiFlow model** works with up to 8-channel pipette tips, even with 4 channels empty and includes quick disconnects to bottle
- Low noise level (76dbs or less at 1 meter); minimal pump vibration; safety release vent to prevent vacuum implosion



* HiFlow model is CE marked and CSA certified and the transformer includes an additional cord for 220V type C outlets



Each

Access Your Incubator Less Frequently

CultureTemp 37°C Warming Plate

- Keep dishes outside the incubator longer; 37°C (+/-1°C) plate protects cell viability
- Reduces cell stress and allows enzymes like trypsin to work efficiently
- Temperature remains uniform across the entire anodized aluminum warming plate that measures 17.8 D x 20.3cmW (7 x 8")
- 25.4D x 24.9W x 5.7cmH (10 x 9¾ x 2¼"); fits easily in a cell culture hood or on the workbench; UV resistant housing will not break down under germicidal UV lights



Each

DESCRIPTION	CAT. NO.
Original Pump System, 23.2 x 17.1 x 43.8cm (9" x 6" x 17" H)	89171-442
HiFlow Pump System, 23.2 x 17.1 x 43.8cm (9" x 6" x 17" H)*	10025-014
Replacement Hydrophobic Filters for Original Pump, 12pk	89171-444
Replacement Hydrophobic Filters for HiFlow Pump, 6pk	10025-016

DESCRIPTION	CAT. NO.
120V	30621-302
220V CE Marked	10126-432

Save Time, Improve Cell Viability

12-Well Tissue Disaggregator

- Achieve effective and economical disaggregation of soft tissue to produce cell isolates for culture or flow cytometry
- Twelve wells speed processing time and reduce per sample costs; mates perfectly with industry standard 12-well culture plates
- 70 mesh stainless steel screens; sanitize with ethanol and other disinfectants, or autoclave
- Use with sterilized, individually packaged double-ended pestles (89218-750)



DESCRIPTION	QUANTITY	CAT. NO.
12-Well Tissue Disaggregator, reusable	Each	89208-244
Pestle, length 10.2cm (4"), end diameters 0.95 and 1.27cm (3/8 and 1/2")	Pack of 12	89218-750

TPX is a registered trademark of Mitsui Chemicals

Smart. Effective. Innovative.



Aspirate sample into 1000µl tip



Press FLOWMI onto pipette tip



Strain sample into tube



Eject to dispose of tip and FLOWMI

Preserve Small Sample Volumes and Avoid FLOW and FACS Clogs

Flowmi Cell Strainers for 1000µl Pipette Tips



Attach to end of 1000µl pipette tip for fast and efficient filtering of small volume samples (up to 1000µl) prior to FLOW or FACS analysis.

- Preserves sample volume, removes cell aggregates and creates uniform single cell suspensions
- Force of pipettor pushes sample through Flowmi to minimize sample loss
- Decreases the potential for clogging of FLOW or FACS* instruments by effectively filtering cellular debris
- Use with your favorite pipette tips; Flowmi fits most 1000µl tips including Fisherbrand Sure-One, VWR brand, Axygen, Nichiryo and Eppendorf and more
- Sterile, 40µm or 70µm porosity



Actual Size

Pack of 50

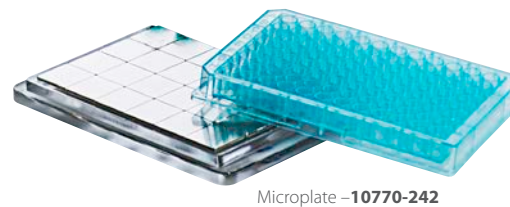
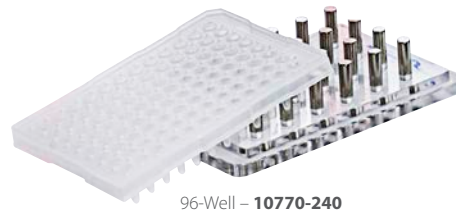
POROSITY	CAT. NO.
40 Micron	10032-802
70 Micron	10204-924

* FACS is a registered trademark of Becton-Dickinson Corporation
**Flowmi is recommended for use with samples having a maximum concentration of 2 million cells/ml (40µm) or 4 million cells/ml (70µm).

Removable Sleeves for More Efficient Liquid Transfer

Magnetic Bead Separation Racks

- Independent tube sleeves on 50ml and 15/5ml models make addition and removal of liquids easier; Patent Pending
- Spring plunger on tube sleeves of 1.5ml to 50ml models allows beads to be sequestered at various heights along the tube wall
- 24 vertical magnets on the 96-well PCR plate model hold the plate securely while attracting beads to tube walls
- Microplate model with flat magnets accepts all standard micro-plates with any number of wells



ACRYLIC

Each

HOLDS	CAT. NO.
Three 50ml Tubes	10770-234
Six 5ml or 15ml Tubes	10770-236
Ten 1.5ml to 2.0ml Microcentrifuge Tubes	10770-238
One 96-well PCR Tube Plate	10770-240
One Standard Size Flat Microplate	10770-242

Improve Count Accuracy

Hand-Held Colony Counter

- Lightweight, pen-style device marks, counts, and gives an audible and visual alert each time a count is registered
- Stores up to 35 sample counts; Verify sample counts with up/down counting
- Backlit display for easy viewing in low light conditions
- Counting function can be locked to prevent error during breaks between counting



Protective Storage Case Included



Colony Counter System

Purchase Colony Counter only or complete system which includes Colony Counter (**89368-772**), Mini-magnifier (**54848-306**) and Mini Light Box II Set (**47751-118**)

For more information please visit www.vwr.com

DESCRIPTION	CAT. NO.
Hand Held Colony Counter	89368-772
Replacement Felt Tip Pen, Red	89368-776
Replacement Felt Tip Pen, Black	89368-774
Replacement Colony Counter Battery, 3V	89368-778
Colony Counter System	89368-780



Each

Sized to Reduce Antibody Usage in Western Blots

Antibody Saver Tray Sets; Disposable/Reusable

Versatile sets of trays and lanes in 2 sizes can be mixed and matched for maximum efficiency when performing Western Blots.



- Reduce required antibodies by using only the tray/lane(s) needed
- Included lid protects samples and allows stacking
- Transparent PVC
- Dispose or reuse



10821-256 Mini Set



10821-258 Midi Set



Pack of 3 sets

DESCRIPTION	DIMENSIONS (L x W)	CONTAINS	CAT. NO.
Mini Blots	13 x 10cm (5 1/8 x 3 7/8") Full Blot	3 Sets – Set includes full blot (1), half blot (2), 2 lane (3), single lane (4), and lid	10821-256
Midi Blots	18.5 x 15cm (7 1/4 x 5 7/8") Full Blot	3 Sets – Set includes full blot (1), half blot (2), 3 lane (3), 2 lane (4), single lane (6), and lid	10821-258

NMR Tube Storage with Easy Access

NMR Sample Tube Rack

- Organize and protect thin-walled NMR tubes
- Stackable; End plate handles make transport easy
- Holds up to 72 tubes in a 6 x 12 array



For 5mm O.D. NMR Tubes see Cat No. **60986-335**, at www.vwr.com



Each

DIMENSIONS (L x W x H)	TUBE SIZE	PLACES	CAT. NO.
21L x 11W x 22cmH (8 1/8 x 4 1/2 x 8 3/4")	3mm O.D.	72	89217-376

Pipetting



Universal Fit in Most Repeating Pipettor Brands

Roxy M™ Universal Fit Repeating Pipettor Tips

- Fit most manual repeating pipettors including Roxy M™, Eppendorf® Multipette® 4780, Brand HandyStep® S, Fisherbrand® Repeating Pipettor, VWR® Repeating Pipettor, Gilson Distriman®, and Scilogex® StepMate Repeater Pipettor
- Internal plunger prevents liquid from contacting any part of the pipettor, eliminating the risk of contamination
- ISO 9001:2000 facility; Each pack of tips is lot stamped, comes with a Certificate of Conformity
- Sterile tips are individually packaged and bioclean® certified to be pyrogen-free, DNA-free, RNase-free, and ATP-free



Pack

Pack

TIP SIZE	PACK QUANTITY	CAT. NO. NON-STERILE	CAT. NO. STERILE
0.05ml	100	—	89233-696
0.5ml	100	89233-668	89233-682
1.25ml	100	—	89233-684
2.5ml	100	89233-672	89233-686
5.0ml	100	—	89233-688
12.5ml	100	89233-676	89233-690
25ml†	25	89233-678	89233-692
50ml†	25	89233-680	89233-694
Assortment*	45	89233-698	—

†Adapter required to use 25ml and 50ml tips (89233-700 - supplied with repeating pipettor and available separately in a 3-pack)

*5 each of sizes 0.05ml to 25ml non-sterile, and 5 each of 2.5ml and 5.0ml sterile

Repeatable Performance with Personality

Roxy M™ Repeating Pipettor



- Repetitive pipetting of volumes from 1 to 5000 µl.
- Ambidextrous design, one-handed volume selection and dispensing; lightweight (105g)
- Use with Scienceware® Roxy M™ sterile or non-sterile tips available in 8 sizes
- Maintenance-free; factory sealed and calibrated; serial number identification and certificate of conformity

TIPS	NO	1	2
0.05 ml	1 µl	2 µl	
0.5 ml	10	20	
1.25 ml	25	50	
2.5 ml	50	100	
5.0 ml	100	200	
12.5 ml	250	500	
25 ml	500	1000	
50 ml	1000	2000	
STEPS	48	23	

Convenient chart of Dispensing Volumes per Roxy M tip size is provided on the pipettor.



Adapter for use with 25 and 50ml tips

DESCRIPTION	CAT. NO.
Roxy M™ Repeating Pipettor with Adapter	89233-702
Extra Adapter Set for 25 and 50ml Tips, 3 pack	89233-700

Each

Save Storage Space and Shipping Costs

Pop Up 2" Polypropylene Freezer Box

- Fit into standard 2" freezer storage racks; shipped flat and assemble in seconds
- Sturdy enough to withstand the rigors of a low temperature environment (-86°C)
- 2" polypropylene boxes are reusable and will not stick to icy racks or shelves
- Indexed dividers fit into this or any 5¼ x 5¼" freezer box; hold 81 vials (12mm)



Product Video



Pack of 12

DESCRIPTION	DIMENSIONS (L X W X H)	CAT. NO.
2" Freezer Box & 81-place Divider	13.2 x 13.2 x 5.1cm (5¼ x 5¼ x 2")	10154-416
2" Freezer Box Only	13.2 x 13.2 x 5.1cm (5¼ x 5¼ x 2")	10154-412
81-place Divider Only	13.2 x 13.2cm (5¼ x 5¼")	10154-414

Freezer Storage for 5ml Conical Tubes

Polypropylene Freezer Boxes

- 25-place 5ml conical tube box fits standard 3" ULT freezer racks
- 81-place micro tube / cryo vial box fits standard 2" ULT freezer racks
- Temperatures to -86°C (-187°F)



Pack of 4

PLACES	HOLDS	DIMENSIONS (L X W X H)	CAT. NO.
81	1.5 to 2ml micro tubes/cryo vials	13.3 x 13.3 x 5.1cm (5¼ x 5¼ x 2")	10753-248
25	5ml Conical Centrifuge Tubes (13-16mm diam) including Eppendorf* brand	13.3 x 13.3 x 6.4cm (5¼ x 5¼ x 2½")	10753-246

*Eppendorf is a registered trademark of Eppendorf AG

Your Freezer, Racked Your Way

Modular Ultra-Low Freezer Racks

- Customize freezer space by linking these modular ultra low freezer racks side-by-side and vertically
- Pull out trays for easy sample retrieval
- Lightweight, wire formed racks each hold 5 freezer boxes up to 5¼ x 5¼ x 2"H
- Optional top cover provides flat shelf space for additional storage



Each

DESCRIPTION	DIMENSIONS (L X W X H)	CAT. NO.
White Rack with tray	68.6 x 15.2 x 8.9cm (27 x 6 x 3½")	10154-402
Blue Rack with tray	68.6 x 15.2 x 8.9cm (27 x 6 x 3½")	10154-404
Yellow Rack with tray	68.6 x 15.2 x 8.9cm (27 x 6 x 3½")	10154-406
Green Rack with tray	68.6 x 15.2 x 8.9cm (27 x 6 x 3½")	10154-408
Freezer Rack Top Cover	68.9 x 14.9 x 1.7 (27½ x 5¾ x 11/16")	10154-400



Product Video

Racks

Waterbath to Benchtop

Floating Centrifuge Tube Racks



10204-926



10204-928

- Tubes are held tightly to assure no “pop-up” tubes or “floaters” while pressing the legs of the rack on the bench will loosen tubes for easy removal
- Open style rack gives tubes maximum contact with the water for better temperature control of samples



Pack of 2

HOLDS	PLACES	CAT. NO.
1.5ml-2.0ml MCT Tubes (10-12mm diam)	60	10204-928
5ml Centrifuge Tubes (13-16mm diam), including Eppendorf* brand	24	10204-926

*Eppendorf is a registered trademark of Eppendorf AG

Keep Tubes in Place & Caps Closed



Immobilizing tabs keep samples secure

PrepSafe MCT Mini Floating Racks

- Slide tubes under the immobilizing tabs to keep tubes in place and caps closed when under pressure, floating or submerged
- Use in water baths, ice or on the benchtop
- Holds twelve 1.5/2.0 ml tubes; optional vortexing attachment



Product Video



Each

DESCRIPTION	CAT. NO.
Natural	89176-468
Turquoise	89176-470
Fuchsia	89176-472
Neon Yellow	89176-474
Natural with Vortexing Attachment	89176-460
Turquoise with Vortexing Attachment	89176-462
Fuchsia with Vortexing Attachment	89176-464
Neon Yellow with Vortexing Attachment	89176-466
Removable Vortexing Attachment	89176-726

Durable Freezer Storage

81 and 100-place Polypropylene Freezer Storage Boxes

- Safe for use at -80° C to +121° C (-112°F to +249°F)
- Hold 0.5, 1.5 and 2.0ml tubes and cryo vials
- 81-place with lift off lid; 100-place with hinged lid



30621-404



30621-392

Opaque black for light sensitive samples

81-Place

Dimensions: 14 x 14 x 4.8cmH (5.5 x 5.5 x 1.9")

100-Place

Dimensions: 15.4 x 14.3 x 5.6cmH (6 x 5.7 x 2.2"H)



Pack of 5

DESCRIPTION	CAT. NO.	DESCRIPTION	CAT. NO.
Natural	30621-394	Natural	30621-380
Blue	30621-396	Blue	30621-382
Green	30621-398	Green	30621-384
Orange	30621-400	Orange	30621-386
Purple	30621-402	Purple	30621-388
1 each color	30621-404	1 each color (no black)	30621-390
		Opaque Black	30621-392

Clear Storage that Stands Up to Cold and Moisture

PCR Tube Freezer Storage Box, 144 Place



- Holds individual and/or strip 0.2ml PCR tubes
- Fit 2" freezer racks (2 boxes high), ULT storage at temperatures down to -86°C
- Clear polycarbonate with alpha-numeric for easy sample tracking



Pack of 5

DIMENSIONS (L X W X H)	CAT. NO.
13.2 x 13.2 2.5 cm (5 ¹ / ₄ x 5 ¹ / ₄ x 1")	10154-410

Choose from 14 Colors

96-Well Reversible MCT Racks

- Holds 0.5ml on one side or 1.5ml and 2.0ml microcentrifuge tubes on the other side
- 8 x 12 array, alphanumeric grid
- Freezer safe down to -80°C (-112°F)

89230-702



Pack of 5

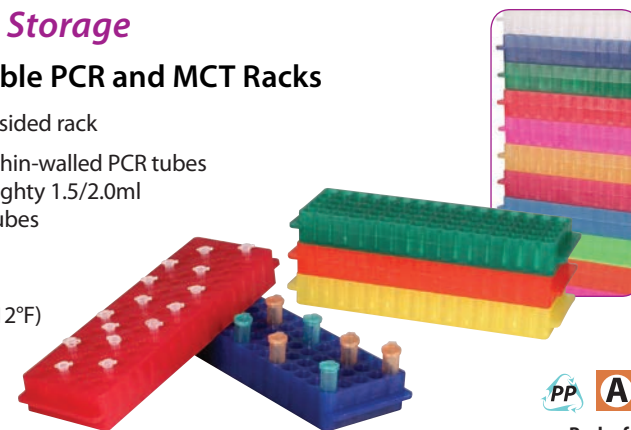
DESCRIPTION	CAT. NO.	DESCRIPTION	CAT. NO.
Natural	89230-664	Fluorescent Blue	89230-684
Lavender	89230-666	Fluorescent Green	89230-686
Black	89230-668	Fluorescent Orange	89230-688
Green	89230-694	Fluorescent Yellow	89230-690
Orange	89230-696	Fluorescent Pink	89230-692
Pink	89230-698	1 each, Assorted Fluorescent Colors**	89230-682
Yellow	89230-701		
Blue	89230-702	Cover - Translucent	89230-708
Red	89230-704	*Assorted Colors: Blue, Green, Orange, Yellow, Red	
1 each, Assorted Colors*	89230-706	**Assorted Fluorescent Colors: Blue, Green, Orange, Pink, Yellow	

Overall Dimensions: 21.3 x 11.4 x 2.7cmH (8³/₈ x 4¹/₂ x 1¹/₁₆"

Double-sided Storage

80-Well Reversible PCR and MCT Racks

- Compact, double-sided rack
- Holds sixty 0.2ml thin-walled PCR tubes on one side and eighty 1.5/2.0ml microcentrifuge tubes on the other side
- Freezer storage down to -80°C (-112°F)



Pack of 5

DESCRIPTION	CAT. NO.	DESCRIPTION	CAT. NO.
Natural	89230-648	Fluorescent Blue	89230-672
Blue	89230-652	Fluorescent Green	89230-674
Green	89230-654	Fluorescent Orange	89230-676
Orange	89230-656	Fluorescent Pink	89230-678
Pink	89230-658	Fluorescent Yellow	89230-680
Yellow	89230-660	1 each, Assorted Fluorescent Colors**	89230-670
Red	89230-662		

**Assorted Fluorescent Colors: Blue, Green, Orange, Pink, Yellow

Overall Dimensions: 22.7 x 6.7 x 2.7cmH (8¹⁵/₁₆ x 2⁵/₈ x 1¹/₁₆"

Compact PCR Storage

96-Well PCR Racks

- 96-wells hold PCR strips or individual tubes
- 8 x 12 array, alphanumeric grid
- Dimensions with lid: 12.7 x 8.9 x 3.4cmH (5 x 3¹/₂ x 1³/₈"



Pack of 5

DESCRIPTION	CAT. NO.
Fluorescent Blue	89230-710
Fluorescent Green	89230-712
Fluorescent Pink	89230-714
Fluorescent Yellow	89230-716
1 each, Assorted Fluorescent Colors: Blue, Green, Pink, Yellow, Orange	89230-718
Fluorescent Orange	89230-720



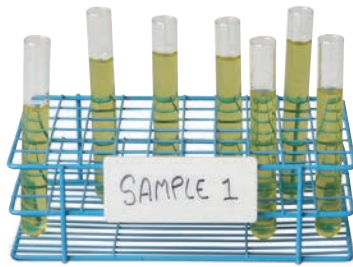
89230-718

Racks

A Whiteboard for Your Rack

Wire Rack ID Tag

- Snap-on I.D. tags let you easily label wire racks; fit 3mm (1/8") or 5mm (3/16") wire
- Use with permanent marker, dry-erase marker or a pressure sensitive adhesive label



Pack of 6

DIMENSIONS (L x W x H)	CAT. NO.
8.9 x 3.8 x 0.3cm (3½ x 1½ x ¼")	89209-580

Process High Volumes of Samples

Poxygrid 60 & 150 Place Test Tube Racks



- Easy-to-clean, epoxy coated steel wire is unaffected by organic solvents, salts, weak acids and weak alkalis
- Temperature range: -223°C (-369°F) to 121°C (250°F)
- All racks have square holes, three decks, a slotted grid bottom and reinforced edges



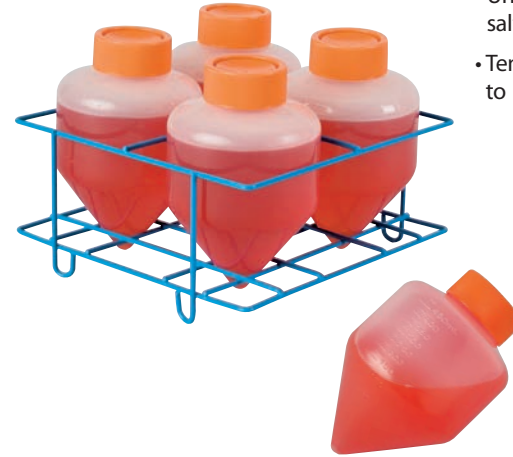
Each

TUBE SIZE	PLACES	ROWS	DIMENSIONS (L x W x H)	CAT. NO.
10-13mm	60	6 x 10	17.5 x 11.4 x 6.4cm (6¾ x 4½ x 2½")	89187-802
10-13mm	150	10 x 15	25.6 x 17.9 x 6.4cm (10¼ x 7¼ x 2½")	89187-810
15-16mm	60	6 x 10	20.3 x 12.9 x 6.4cm (8 x 5¼ x 2½")	89187-804
15-16mm	150	10 x 15	30.5 x 21 x 6.4cm (12 x 8¼ x 2½")	89187-812
18-20mm	60	6 x 10	24.4 x 15.6 x 8.3cm (9¾ x 6¾ x 3¼")	89187-806
22-25mm	60	6 x 10	29.5 x 18.7 x 8.3cm (11¾ x 7¾ x 3¼")	89187-808

Durable Epoxy-Coated Steel Wire

Poxygrid 500ml Centrifuge Tube Rack

- Unaffected by organic solvents, salts, weak acids and weak alkalis
- Temperature range: -223°C (-369°F) to 121°C (250°F); autoclavable



Each

PLACES	DIMENSIONS (L x W x H)	CAT. NO.
4	20.3 x 20.3 x 7.6cm (8 x 8 x 3")	89093-450

Prevents Sore Fingers

Test Tube Capper



- Eliminates fatigue and soreness of hands and fingers from the repetitive task of applying test tube caps
- Cap tubes in a rack or while being held in the hand
- Designed for use with recessed center caps, use tip to apply pressure to cap center and securely cap tubes



Product Video



Each

OVERALL DIMENSIONS	CAT. NO.
4.4 x 8.9cm (1¾ x 3½")	89233-990

Sturdy Rack Holds 40 - 5ml Tubes

5ml Centrifuge Tube Rack



- 5ml centrifuge tubes or other tubes with a diameter of 13-16mm
- End plates have handles for easy transport and stacking
- Top shelf height: 3.4cm (1 1/3")



Each

PLACES	ROWS	DIMENSIONS (L x W x H)	CAT. NO.
40	4x10	26.0 x 11.3 x 10.5cm (10 1/2" x 4 1/2" x 4 1/8")	10081-030



A



B



C

Organize Vials, Bottles & Tubes

A. Miniature Vial Caddy

- Holds 150 miniature vials up to 17mm diameter

B. Vial, Bottle and Tube Rack

- 12 wells hold containers up to 32mm in diameter

C. Tiered Test Tube Rack

- 16-place rack holds tubes 10-14mm in diameter



Each

DESCRIPTION	DIMENSIONS (L x W x H)	CAT. NO.
Miniature Vial Caddy	32.4 x 21 x 4.8cm (12 3/4" x 8 3/4" x 1 7/8")	A. 71001-746
Vial, Bottle and Tube Rack	26.7 x 10.2 x 5.3cm (10 1/2" x 4 x 2 1/4")	B. 71001-656
Tiered Test Tube Rack	23.9 x 6.4 x 6.6cm (9 3/4" x 2 1/2" x 2 5/8")	C. 71001-744

Our Most Flexible Rack Ever

Switch-Grid Test Tube Racks

- Rack holds interchangeable grids; split-frame can hold 2 different size tubes
- 10mm to 30mm diameter test tubes fit in 5 color-coded grid inserts
- Save storage; additional grid sizes can be purchased separately
- Rack frame overall dimensions: 31.8L x 11.1W x 6.7cmH (12 1/2" x 4 3/8" x 2 5/8")



1: Release the spring latch



2: Lift out the grid



3: Insert alternate size grid



Product Video

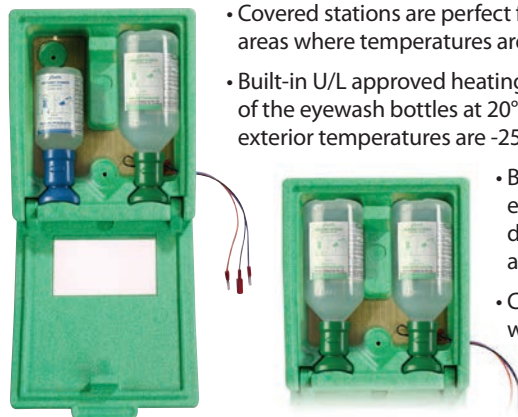


Each

DESCRIPTION	HOLDS TUBES	FULL RACK CAPACITY	QUANTITY	CAT. NO.
Rack with Orange Grids	10-13 mm	84 (14 x 6)	Each	89260-594
Rack with Blue Grids	13-16 mm	60 (12 x 5)	Each	89260-596
Rack with Green Grids	16-20 mm	40 (10 x 4)	Each	89260-598
Rack with Fuchsia Grids	20-25 mm	24 (8 x 3)	Each	89260-600
Rack with Yellow Grids	25-30 mm	12 (6 x 2)	Each	89260-602
Set of 4 Grids, Orange	10-13 mm	–	Pack of 4	89260-604
Set of 4 Grids, Blue	13-16 mm	–	Pack of 4	89260-606
Set of 4 Grids, Green	16-20 mm	–	Pack of 4	89260-608
Set of 4 Grids, Fuchsia	20-25 mm	–	Pack of 4	89260-610
Set of 4 Grids, Yellow	25-30 mm	–	Pack of 4	89260-612
Rack Frame Only	–	–	Each	10755-228

Heated Units Prevent Eyewash from Freezing

PLUM Heated Eye Wash Stations



- Covered stations are perfect for outdoor spaces or other work areas where temperatures are consistently cold or can vary
- Built-in U/L approved heating element maintains temperature of the eyewash bottles at 20°C (68°F) +/- 2°C (4°F) where exterior temperatures are -25°C (-13°F) to +20°C (68°F)
- Bottles have a built-in, flexible eye cup with weep holes; can be dispensed upright or inverted and feature quick twist caps
- Choose pH Neutralizing Solution when acids or alkalis are present

Each

DESCRIPTION	CAT. NO.
Heated Station - 500ml (16oz) 0.9% Sterile Saline, two bottles - 22.2 x 30cm (8¾ x 11")	89233-894
Heated Station - 500ml (16oz) 0.9% Sterile Saline and 200ml (6.8oz) pH Neutralizing - 22.2 x 30cm (8¾ x 11")	89233-896

For more information on these units and the entire Plum line, visit www.vwr.com

Safely Unload Your Autoclave

Biohazard Autoclave Gloves – Clavies®



- Heat-resistant up to 232°C (450°F); replace hazardous asbestos gloves
- Gauntlets provide wrist and forearm protection
- Bright orange color offers high visibility
- Machine wash, air dry, or use the Lab-Aire® II Glove Holder (89087-556) to dry on any Lab-Aire® dryer



LENGTH	COLOR	GAUNTLET LENGTH	CAT. NO.
33 cm (13")	Orange	13 cm (5")	32885-805

White or Biohazard Safety Orange

Labmat™ Bench Liner Rolls and Sheets

- Highly absorbent upper surface traps up to 420ml/m² of water, dyes, corrosive chemicals or radioactive solutions
- Flexible polyethylene film backing is non-skid and prevents soak-through of most solutions



Each

DESCRIPTION	QUANTITY/PACK	CAT. NO.
White 50 ft. roll	1	54110-300
Cut Sheets, box of 100 – White, 50.8 x 61cm (20 x 24")	100	47727-664
Safety Orange for biohazard designated use. 50 ft. roll	1	13196-048

Metal and X-ray Detectable Plastic

Sterileware® Sense-able Scoops®

- Detectable polystyrene permits scoops and scoop fragments as small as 1.6mm³ to be detected with standard metal detection and X-ray equipment
- Sterile, FDA grade material; safe for food, drug and cosmetic contact
- Individually packaged, lot stamped for accurate lot tracing and shipped with a Certificate of Processing for sterilization

U.S. Patent 6,915,712 B1



Testing Parameters



Pack of 100

CAPACITY*	COLOR	BOWL (L X W X H)	HANDLE LENGTH	CAT. NO.
60ml (2oz)	Blue	7.8 x 4.1 x 2.9cm (3 ¹ / ₁₆ x 1 ¹ / ₈ x 1 ¹ / ₈ "")	12.7cm (5")	89233-982
125ml (4oz)	Blue	9.4 x 5.1 x 3.3cm (3 ³ / ₁₆ x 2 x 1 ⁵ / ₁₆ "")	12.7cm (5")	89233-984
250ml (8oz)	Blue	13.5 x 5.4 x 4.9cm (5 ³ / ₁₆ x 2 ¹ / ₈ x 1 ⁹ / ₁₆ "")	5.6cm (2 ¹ / ₁₆ "")	89233-986

Capacity/volumes are estimated and are not meant for taking exact sample weights/volumes. Stated volumes represent typical heaping samples.

Dig Caked Reagents from Tall Containers

Sterileware® Sampling Spatulas

- V-shape makes transferring powdered, flaked, crystalline or granular media a breeze; sturdy point for piercing plastic-lined paper bags or similar packages
- High-impact polystyrene, individually packaged, sterilized by gamma irradiation, lot stamped, and shipped with a Certificate of Processing
- FDA-grade materials; safe for food, drug and cosmetic contact

A 9" spatula is available in sterile and non-sterile. See Cat. No. **56924-809** and **47750-522** at www.vwr.com

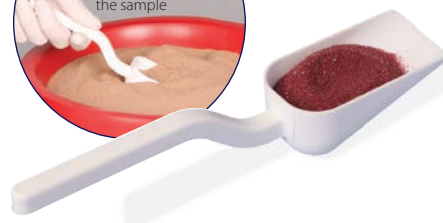


Pack of 50

V-CHANNEL LENGTH	HANDLE LENGTH	OVERALL LENGTH	CAT. NO.
25.4cm (10")	10.2cm (4")	35.6cm (14")	89236-110

Reduce Possibility of Source Contamination

Sterileware® Bent Handle Scoops



- Bent handle positions hand further from the sample
- Durable, FDA grade polystyrene plastic; safe for food, drug and cosmetic contact
- Individually packaged, sterilized by gamma irradiation; lot stamped for accurate lot tracing; shipped with a Certificate of Processing for Sterilization



Pack of 10

CAPACITY*	DIMENSIONS (L X W X H)	CAT. NO.
60ml (2oz)	19.4 x 4.1 x 2.9cm (7 ⁷ / ₁₆ x 1 ¹ / ₈ x 1 ¹ / ₈ "")	89218-258
125ml (4oz)	19.4 x 4.1 x 2.9cm (7 ⁷ / ₁₆ x 1 ¹ / ₈ x 1 ¹ / ₈ "")	89218-260

Capacity/volumes are estimated and are not meant for taking exact sample weights/volumes. Stated volumes represent typical heaping samples.

Sample Handling

Less Environmental Impact Cradle to Grave

Earth-Friendly Sampling Tools

- 100% renewable plant-based resin, greener alternative to petroleum-based sampling tools
- Non-sterile, FDA grade; safe for food, drug and cosmetic contact
- Multiple disposal options including industrial composting, incineration, recycling and landfill

For more information on Earth Friendly Sampling Tools, visit www.vwr.com



Wide Handle Sampling Spoons

- Perfect for retrieving small, specific volume samples of powders or liquids
- Wide handles provide just enough stiffness to easily sample packed powders and other firm materials



Pack of 10

CAPACITY	CAT. NO.
1.25ml (0.04oz)	89218-772
2.5ml (0.08oz)	89218-774
5.0ml (0.17oz)	89218-776
8.0ml (0.27oz)	89218-778
20.0ml (0.67oz)	89218-780

Long Handle Sampling Spoons

- Long handle for easy reach
- Perfect for retrieving small, specific volume samples of powders or liquids

Pack of 10

CAPACITY	CAT. NO.
1.25ml (¼ tsp)	89218-786
2.46ml (½tsp)	89218-788
4.93ml (1tsp)	89218-790



1001 Sticks

- Mix samples, count capsules, scrape containers and more
- Dimensions: 5³/₄L x 3³/₄W x 1¹/₁₆"H (14.6 x 1.9 x 0.15cm)

Pack

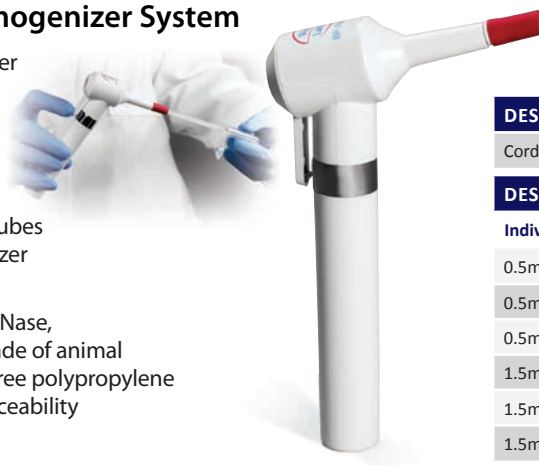
QUANTITY	CAT. NO.
100 PK	89218-782
500 CS	89218-784



Effectively Homogenize Precipitates, Cells and Tissues

Cordless Micro-Tube Homogenizer System

- Hand-held, cordless homogenizer features a simple push in/pull out pestle holder
- Thorough and faster processing of one to many samples
- Matched pestle tips and micro tubes can be used with the homogenizer or processed by hand
- Pestles and tubes are certified DNase, RNase and Pyrogen-free and made of animal and phthalate/phthalate-ester free polypropylene with lot control and material traceability



Each

DESCRIPTION	CAT. NO.	DESCRIPTION	CAT. NO.
Cordless Homogenizer Unit, Includes 2 AA Batteries		89524-800	
DESCRIPTION	CAT. NO.	DESCRIPTION	CAT. NO.
Individually Packed – Pack of 100		Bulk Packed – Pack of 100	
0.5ml Pestle	89524-802	0.5ml Pestle	89524-814
0.5ml Tube	89524-806	0.5ml Tube	89524-818
0.5ml Pestle and Tube	89524-810	0.5ml Pestle and Tube	89524-822
1.5ml Pestle	89524-804	1.5ml Pestle	89524-816
1.5ml Tube	89524-808	1.5ml Tube	89524-820
1.5ml Pestle and Tube	89524-812	1.5ml Pestle and Tube	89524-824

Homogenize Samples In MCT

Liquid Nitrogen Cooled Mini Mortar and Pestle Set



- Permits cold grinding directly in a 1.5 ml microcentrifuge tube for reduced sample loss and collection time
- Tubes are held in a stainless steel cavity eliminating direct contact with liquid nitrogen and prevent cracking of tubes
- Includes 12.7cm (5") long stainless steel pestle



Each

HOUSING OVERALL DIMENSIONS	CAT. NO.
16.5 diam. x 11.4cmH (6½ x 4½")	89233-994

Smooth Teflon® PTFE Surface

Plain Spinbar® Magnetic Stirring Bars

- Smooth surface maximizes contact with the stirring vessel
- FDA Grade, USP Class VI Teflon®
- Autoclave safe



Each

DIMENSIONS (L X DIA.)	CAT. NO.
60 x 10mm (2¾ x ¾")	75805-254
76 x 12mm (3 x ½")	75805-256

Delivers 2.5 - 3X the Wear Resistance of PTFE Bars

Spinfinity® Octagon Magnetic Stirring Bar



- FDA approved plastic covering is ideal for granular solutions and extended stirring times
- Useful in pharmaceutical and Q/A laboratories ppt/ppb or other applications where sample contamination is a concern

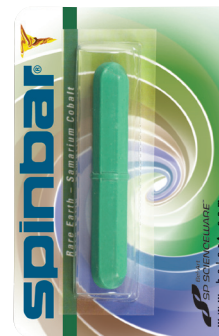


Each

TYPE	SIZE	CAT. NO.
Spinfinity	3 x ½" (76.2 x 12.7mm)	71000-064

Reduce Spinout

Rare Earth – Samarium Cobalt Spinbar® Octagon Magnetic Stirring Bars



- Stronger coupling with the drive magnet keeps the stirring bar centered and rotating effectively in viscous solutions, for extended stirring at high and low speeds
- FDA grade, USP Class VI Teflon® PTFE; Autoclave safe



Each

TYPE	SIZE	CAT. NO.
Rare Earth	3 x ½" (7.60 x 1.30cm)	89171-440
Rare Earth	1 x ¾" (2.54 x 0.95cm)	89171-436
Rare Earth	2 x ¾" (5.10 x 0.95cm)	89171-438
Rare Earth	½ x ¾" (1.30 x 0.95cm)	89171-434

Teflon® is a registered trademark of The Chemours Company FC, LLC

Make Your Cake and Smooth It Too

Buchner Funnel Trowel

- Apply slight downward pressure and 'sweep' the trowel along the surface of the precipitate to quickly and efficiently smooth fissures appearing during the filtration process
- Use with 18, 24 and 36" Buchner Tabletop Funnels
- Beveled edges permit bi-directional smoothing; curved ends match funnel sidewalls
- Compatible with industrial dishwasher temperatures and cleaners



Product Video



Each

DIMENSIONS (L x W x H)	TROWEL BASE	WEIGHT	CAT. NO.
19 x 7.6 x 12cm (7½ x 3 x 4¾)	1.3cmH (½")	0.8lb	89230-722

Sturdy Stand - Small Footprint

Compact Support Stand

- Polypropylene base with 3 holes (ends and center) for support rod
- Base measures 21 x 16cm (8¼ x 6¼") x 4.5cmH (1¾"); Weight: 1.95kg (4.3lb)
- 9.4mm diam (¾") x 50cmL (19¾") stainless steel rod



Each

DESCRIPTION	CAT. NO.
Compact Support Stand	89233-992

Funnel, ring clamp and flask not included. Larger support stand, Cat. No. 17683-060 available at www.vwr.com

Monitors and Records If Temperature Goes Out of Range

H-B® Precision Electronic Thermometer / 10-Event Recorders

- Able to record the date and time of up to 10 events that fall outside the programmed limits
- 10753-244 monitors temperatures in ovens, incubators, refrigerators, freezers, cold rooms and water baths
- Audible alarm, low/high alarm icon, max/min indicator



CE
Each

Certificate of Calibration and Individually Serialized

RANGE	ACCURACY	PROBE LENGTH/CABLE LENGTH	CAT. NO. / DESCRIPTION
-50/200°C (-58/392°F)	±0.5°C (±0.9°F) from -20/100°C (-4/212°F), otherwise ±1.5°C (±2.7°F)	125 x 3.5mm (4.9 x 0.1") 79 x 3.5mm (3.1 x 0.1")	10753-406 / DURAC® 10753-244 / FRIIO-Temp® Verification

Register Highest Temperature without Dangerous Mercury

H-B® DURAC® Maximum Registering / Autoclave Bi-Metal Thermometers

- Maximum registering pointer indicates highest temperature reached
- ¼" NPT threaded connection screws directly into in-line processes
- Waterproof and pressurized to withstand autoclaving cycles
- 304 stainless steel body and glass lens withstands moisture, pressure, high temperatures and rust



Each

DESCRIPTION	SPECIFICATIONS	CALIBRATION POINT	CAT. NO.
Traceable to NIST	Range: -20/150°C (0/300°F) Accuracy: ±2°C (± 5°F)	N/A	10204-916
With Individual Calibration Report	Divisions: 2°C (5°F) Dial Size: 81mm (3¼") Overall Length: 69mm (2¾")	121°C	10204-950

Conform to ASTM Standards Without Dangerous Mercury!

H-B Durac® Plus™ ASTM Individually Calibrated Liquid-In-Glass Thermometers, Organic Liquid Fill

- Mercury free, conform to ASTM standards for methods specified in order table
- Individually calibrated at specified points and supplied with a Calibration Report stating corrections to one-tenth of the smallest division
- Ideal for use in quality control laboratories
- Blue organic liquid fill against lead-free white back glass
- Length: 405mm, total immersion



Calibration Report and Individually Serialized

Each

ASTM NO. / ASTM METHOD	RANGE	DIVISIONS	ACCURACY	CALIBRATION POINTS	CAT. NO.
S62C-03 / Precision	-38/2°C	0.1°C	±0.1°C	-37, -30, -20, -10, 0°C	75795-736
S62F-03 / Precision	-36/35°F	0.2°F	±0.2°F	-35, -15, 0, 15, 32°F	75795-738
S63C-03 / Precision	-8/32°C	0.1°C	±0.1°C	-7, 0, 10, 20, 30°C	75795-716
S63F-03 / Precision	18/89°F	0.2°F	±0.2°F	20, 32, 50, 70, 88°F	75795-718
S64C-03 / Precision	25/55°C	0.1°C	±0.1°C	0, 25, 35, 45, 55°C	75795-720
S64F-03 / Precision	77/131°F	0.2°F	±0.2°F	32, 80, 95, 115, 130°F	75795-740
S65C-03 / Precision	50/80°C	0.1°C	±0.1°C	0, 50, 60, 70, 80°C	75795-742
S66C-03 / Precision	75/105°C	0.1°C	±0.1°C	0, 75, 85, 95, 105°C	75795-744
S66F-03 / Precision	167/221°F	0.2°F	±0.2°F	32, 168, 185, 200, 220°F	75795-722
S67C-03 / Precision	95/155°C	0.2°C	±0.2°C	0, 100, 110, 130, 150°C	75795-724

Highly Accurate Over a Wide Temperature Range

H-B® DURAC® RTD Electronic Thermometers

Ideal for applications where high accuracy and repeatability are necessary over a wide temperature range.

- Maximum/minimum temperature memory or data hold for careful sample monitoring
- Precision PT100 temperature sensor probe on all models conforms to IEC 751 Class A
- Large backlit dual scale (C/F) display with battery light indicator
- High precision units (-0100 and -0200) offer display accuracy of 0.05% of reading or .1°C, whichever is greater
- 75795-802 logs up to 16,000 readings with date and time and includes operating system software



75795-800
High Temp Precision

Certificate of Calibration and Individually Serialized



Each

DESCRIPTION	TEMP RANGE	DIMENSIONS (L x W x H)	PROBE TYPE/ LENGTH	CAT. NO.
Without data logging features	-100/400°C (-148/752°F)	185 x 65 x 36mm (7.3 x 2.6 x 1.4")	PT100/230mm (9.1")	75795-800
With data logging features	-100/400°C (-148/752°F)	185 x 65 x 36mm (7.3 x 2.6 x 1.4")	PT100/230mm (9.1")	75795-802

for additional accessories go to www.vwr.com



H-B Instrument Liquid-In-Glass Thermometers

The following H-B Instrument families have been expanded to include the products indicated below. For complete information, visit www.vwr.com



Easy-Read® , Environmentally Friendly with Individual Calibration Report

Each

RANGE	DIVISIONS	ACCURACY	CALIBRATION POINTS	LENGTH	CAT. NO.
Partial Immersion: 76mm (3")					
-10/260°C	1°C	±1°C; ±1.5°C above 110°C, ±2°C above 200°C	0, 100, 200°C	350mm (14")	75795-778
-10/260°C	1°C	±1°C; ±1.5°C above 110°C, ±2°C above 200°C	0, 37, 56, 100, 230, 250°C	350mm (14")	75795-780

Enviro-Safe® with Individual Calibration Report

Each

RANGE	DIVISIONS	ACCURACY	CALIBRATION POINTS	LENGTH	CAT. NO.
Total Immersion					
-10/225°C	1°C	±1.5°C; ±2°C above 110°C, ±2.5°C above 200°C	0, 100, 200°C	350mm (14")	75796-214
Partial Immersion: 76mm (3")					
-10/260°C	1°C	±1.5°C; ±2°C above 110°C, ±2.5°C above 200°C	0, 37, 56, 100, 230, 250°C	350mm (14")	75796-116

DURAC® Plus™ ASTM Like

Each

ASTM NO./ASTM METHOD	RANGE	DIVISIONS	ACCURACY	LENGTH	CAT. NO.
Total Immersion					
19F / Saybolt Viscosity	120/134°F	0.2°F	±0.6°F	280mm (11")	75795-852

FRIO-Temp® Oven Verification with Individual Calibration Report

Each

RANGE	DIVISIONS	ACCURACY	CALIBRATION POINTS	LENGTH	BOTTLE SIZE/FILL	THERMOMETER FILL	CAT. NO.
20/130°C	1°C	±1°C	100°C	145mm (5.7")	30ml/Glass Beads	Enviro-Safe® Liquid	75795-242
50/200°C	2°C	±2°C; ±4°C above 130°C	100°C	145mm (5.7")	30ml/Glass Beads	Enviro-Safe® Liquid	75795-244

FRIO-Temp® and DURAC® Plus™ Blood Bank Verification

Each

RANGE	DIVISIONS	ACCURACY	LENGTH	BOTTLE SIZE/FILL	THERMOMETER FILL	PFA COATED	CAT. NO.
FRIO-Temp®							
-2/10°C	0.1°C	±0.2°C	180mm (7.1")	250ml/Enviro-Safe®	Organic Liquid	Yes	75806-012
-5/20°C	0.5°C	±0.5°C	135mm (5.3")	250ml/Enviro-Safe®	Enviro-Safe® Liquid	Yes	75806-014

Secure Hold

Stainless Steel Clamping Thermometer Holder



- Five hole sizes ranging from 3.5mm to 14.5mm to hold thermometers or probes
- Stainless steel clip attaches securely to containers/shelves up to 3/8" thick
- Foam holes for secure fit; Rubber bumpers on clip prevent scratching of surfaces



Each

DIMENSIONS (L X W X H)	CAT. NO.
8.3 x 5.4 x 6.4cm (3¼ x 2¼ x 2½")	10204-914

Timers

Convenient for Jotting Down Notes

H-B® DURAC® 4-Channel Electronic Timer with Whiteboard

- Built in white board with marker
- Four channels with audible alarm for each channel
- Programs: hours/minutes; Displays: hours/minutes/seconds; 23 hours: 59 minutes / 59 minutes; Up/down count displays elapsed time after countdown
- Mounting Options: Flip-open stand and magnetic back



10061-386

All H-B Instrument electronic thermometers and timers include a Certificate of Calibration and individual serial number and are tested and calibrated in our ISO/IEC 17025:2005, A2LA accredited laboratory (Cert #2448.01), against equipment whose calibration is traceable to NIST.

Simple 3 Key Operation and Memory

H-B® DURAC® Single Channel Timer

- Timing capacity: 99 minutes: 59 seconds; up/down count with audible alarm
- Last time set memory
- Magnetic back



10061-376

Number Pad for Faster Programming

H-B® DURAC® Single Channel Timer with 10-Button Input

- Ten button timer allows direct input of desired time
- Timing capacity: 99 minutes: 99 seconds; Up/down count with audible/visual alarms and memory
- Mounting options: Flip-open stand, pocket clip, magnetic back



10061-378

Perfect for High Noise Locations

H-B® DURAC® Single Channel Timer with Triple Alarms

- Vibration, light and sound buzzer alarms can be used in combination or independently
- Switchable timing capacity: 19 hours: 59 minutes / 99 minutes: 59 seconds
- Up/down count; displays elapsed time after countdown
- Mounting options: Flip-open stand, pocket clip, or magnetic back



10061-382

All timers include a Certificate of Calibration



Each

TIMER ACCURACY	DIMENSIONS (W x H x D)	DISPLAY SIZE (W x H)	CAT. NO.
± 5 seconds/day	114.3 x 88.9 x 25.4mm (4.9 x 3.5 x 1")	43.2 x 53.3mm (1.7 x 2.1")	10061-386
± 5 seconds/day	45 x 75 x 20mm (1.8 x 3 x 0.8") excluding clip portion	30 x 17mm (1.2 x 0.7")	10061-382
± 5 seconds/day	81.3 x 71.1 x 30.5mm (3.2 x 2.8 x 1.2")	53.3 x 22.9mm (2.1 x 0.9")	10061-378
± 5 seconds/day	61 x 61 x 15.2mm (2.4 x 2.4 x 0.6")	48.3 x 15.2mm (1.9 x 0.6")	10061-376

Wilmad-LabGlass NMR Sample Tubes



Economy

- Best OD tolerance in the industry; 30% thicker wall than competitive products
- 100% visual and physical inspection ensures quality, including dimensions and surface defects
- For experiments with small organic molecules (Molecular Weight ~500) at ambient temperatures only

Precision Quartz

- To maximize SNR, these pure Quartz tubes have minimal paramagnetic impurities that would impact shimming
- Ideal for variable temperature experiments that have a temperature step over 120°C as well as experiments at temperatures up to 1300°C
- 100% inspection with multiple NIST traceable gauges and optical surface defect checks



High Throughput

- One of the best OD tolerances in the industry
- Guaranteed to fit tightly in the spinner turbine
- Designed for routine use in most low to mid field NMR spectrometers



Precision Suprasil®

- Transmission rate from 190nm to 2600nm is well over 95% (10mm thickness) excluding reflection
- Similar thermal expansion rate and tensile strength as natural quartz which is 14 times more robust during the cooling/heating process than Type 1 Class A glass
- Safe for experiments at temperatures up to 1300°C



Manufactured in
an ISO 9001:2008 USA facility

Precision

- For temperatures up to 230°C, and within a temperature step of 120°C
- Ideal for experiments requiring critical shimming quality (high/ultrahigh field, non-spinning, multi-dimensional, multi-nuclei, DNP experiments and studies involving biological samples)



To learn more, visit

www.vwr.com

Keyword: **Wilmad NMR Tube**

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